

## ABSTRACT

A gas feed device for detecting trouble in a gas pressure sensor fitted to the gas feed device. The presence of trouble in pressure sensors 52 to 58 is determined according to whether or not gas pressure values detected by the pressure sensors 52 to 58 fitted to branch pipes 32 to 38 is within an allowable range when stop valves 42 to 48 fitted to the branch pipes 32 to 38 connected to the access ports of hydrogen absorbing alloy tanks 22 to 28 are fully opened from their fully closed state. When the gas feed device 20 is mounted on a vehicle, no special operation is required for trouble detection because the trouble in the pressure sensors 52 to 58 can be detected by fully opening the fully closed stop valves 42 to 48 when the vehicle is started. And normally the trouble can be judged by the mounted equipment.